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AMSAT NEWS SERVICE
ANS-093

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

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ANS-093 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE, Suite 1653
Washington, DC 20002

DATE 2022 Apr 3

AMSAT at the Dayton Hamvention -- Call for Volunteers

The Dayton Hamvention is six weeks away!

It is time to be creating your shopping list and making your travel plans.

We've had a good response so far to our call for volunteers, but we could really use another 10-15 people.

The 2022 Hamvention is May 20-22 in Xenia, Ohio. Would you consider helping AMSAT at the Hamvention this year?

The interaction with AMSAT members, satellite operators, designers, and builders makes the whole experience a lot of fun. Meet or renew acquaintances, exchange operating tips, and find out what antennas, software and equipment other AMSAT members use.

If you're an experienced operator, great! We can use you and your experience.

If you've never operated a satellite before, but want to learn more, that's OK. We can use your help too.

Whether you're available for only a couple of hours or if you can spend the entire weekend with us, your help would be greatly appreciated.

Please send an e-mail to Phil, w1eme at amsat.org if you can help. Thank you!

[ANS thanks Phil Smith, W1EME, AMSAT Dayton Hamvention Team Lead, for the above information]

Kerry Banke to be honored with the 2022 Hamvention Special Achievement Award

The Hamvention awards committee recently announced that Kerry Banke, N6IZW, has won the 2022 Hamvention Special Achievement Award for his efforts in the design, development, manufacturing, and human spaceflight certification of the ARISS Multi-Voltage Power Supply (MVPS). The MVPS is a foundational element of the ARISS next generation radio system, which is now on-orbit. The Hamvention Special Achievement Award is given each year to a deserving amateur that has made an outstanding contribution advancing the art and/or science.

Now retired, Banke spent most of his career in the research and development of electronics systems as a microwave RF (Radio Frequency) electrical engineer. This included 14 years as Qualcomm engineer, developing innovative microwave wireless technologies. Kerry’s electronic interests span DC (Direct Current) to light with particular interest and expertise in microwaves. His ham radio operations have included transmissions on 136 kHz through Laser. Since 1982 he has served as host of the San Diego Microwave Group’s monthly meeting, sharing his expertise with other hams of like interest.

Mr. Banke’s exceptional support to Human Spaceflight Amateur Radio began in 1994 where he served as a school technical mentor and certified ground station for the Shuttle Amateur Radio EXperiment (SAREX) program. When NASA transitioned from the Shuttle to the International Space Station (ISS), Kerry became an exemplary member of the Amateur Radio on the International Space Station (ARISS) hardware team. For seven years, working from his home and electronics lab garage in La Mesa, California, Mr. Banke led the circuit design, breadboarding, flight circuit board layout, assembly, and testing of the MVPS. The MVPS, which occupies a volume roughly the size of two stacked reams of paper, can connect into different ISS power sources (120 VDC and 28 VDC) and simultaneously power up to 18 devices with multiple voltage level input needs.

ARISS USA Executive Director, Frank Bauer, said “The ARISS team is proud of Kerry’s sustained exemplary support to ARISS. His contributions to our next generation radio system are transformative, enabling expanded ARISS operations for ham radio operators and enhanced STEM (science, technology, engineering, and math) education outcomes for youth.” Through this system 60 to 80 foreign and domestic ARISS school contacts are conducted each year with 150,000 to 200,000 students, teachers, and members of the public engaged. Amateur radio operators also enjoy over 100,000 digital and voice repeater connections from this radio system each year.

[ANS thanks ARISS-USA for the above information]

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WB7VUF 455 510
KN2K 450 505
DF2ET 400 500
EA2AA 425 483
N6UTC 450 475
AE5B 450 459
HP2VX 425 453
XE1MYO 200 349
K4RGK 278 313
VE3KY 278 304
XE1GK 265 300
DG7RO 172 285
N3CAL 224 235
N5EKO 207 234
AC9DX 141 228
WD9EWK (DM41) 187 207
A65BR 157 181
WB9YIG New 175
DL8GAM New 152
PS7JN New 152
OE7BJT 107 150
N2ZN 135 147
TG9AMD New 141
XE2YWH (DL82) 110 113
PP2RON 106 108
XE2YWH (DL82 - D 105 108
VE7PTN New 104
US6IKN New 102
AG7NR New 101
DH0GSU New 100
K4NHW New 100
PU5DDC New 100
XE1YDK New 100

Congratulations to the new VUCC holders.

TG9AMD is first Guatemala and grid EK44
PU5DDC is first grid GG53
PS7JN is first grid HI24
DL8GAM is first grid JO42
US6IKN is first Ukraine and grid KN59

[ANS thanks Jon Goering, N7AZ, for the above information]

New GridMasters

AMSAT’s most prestigious award is the GridMaster Award. This award was first introduced by Star Comm Group in 2014. AMSAT thanks Damon Runion, WA4HFN, and Rick Tillman, WA4NVM, for not only sponsoring this award since its inception, but, also, entrusting AMSAT with the honor of carrying on this important award for the benefit of the entire AMSAT community.

The GridMaster award is available to all amateurs worldwide who submit proof with written confirmation of contacts with each of the 488 maidenhead grids located within the contiguous United States of America via amateur satellite.

Thanks to a couple of March roves, four new amateur satellite operators have joined the GridMaster club, bringing the total number of hams who have worked and confirmed all 488 maidenhead grids within the contiguous United States to 38.

Congratulations to the newest GridMasters!

35 Patrick Stoddard WD9EWK March 15, 2022
36 Dennis Love N7EGY March 26, 2022
37 Chris Wilford VE7CEW March 26, 2022
38 Merle Olmsted AA4QE March 28, 2022

See the full list at https://www.amsat.org/gridmaster/

[ANS thanks Bruce Paige, KK5DO, AMSAT Director of Contests and Awards for the above information]

ARISS News

Leonardo-Da-Vinci Campus Nauen, Nauen, Germany, direct via DC1RSN

The ISS callsign is presently scheduled to be DPØISS
The downlink frequency is presently scheduled to be 145.800 MHz
The latest information on the operation mode can be found at https://www.ariss.org/current-status-of-iss-stations.html
The scheduled crewmember is Matthias Maurer KI5KFH

Contact is go for: Wed 2022-04-06 11:48:08 UTC 26 deg
Watch for Livestream at https://www.youtube.com/watch?v=xk3nn3CYKoM (***)

Space Hardware Club, Huntsville, Alabama, direct via K4UAH

The ISS callsign is presently scheduled to be NA1SS
The downlink frequency is presently scheduled to be 145.800 MHz
The latest information on the operation mode can be found at https://www.ariss.org/current-status-of-iss-stations.html
The scheduled crewmember is Thomas Marshburn KE5HOC

Contact is go for: Thu 2022-04-07 17:07:39 UTC 36 deg

Exp. 64 back on earth (***)

Pyotr Dubrov
Mark Vande Hei KG5GNP

Exp. 65 back on earth

Anton Shkaplerov

Congratulations to all for a job well done

The USOS ARISS station is currently operating in voice cross-band repeater mode

The latest information on the operation mode can be found at https://www.ariss.org/current-status-of-iss-stations.html

The latest list of frequencies in use can be found at https://www.ariss.org/contact-the-iss.html

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors, for the above information]

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AMSAT, along with our ARISS partners, is developing an Amateur Radio package, including two-way communication capability, to

be carried on-board Gateway in lunar orbit.

Support AMSAT's projects today at https://www.amsat.org/donate/

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October 7, 2022 – October 9, 2022
Event Center at Archer
3921 Archer Pkwy
Cheyenne, Wyoming 82007
https://wyhamcon.org/site

[ANS thanks Paul Overn, KE0PBR, AMSAT Events page manager, for the above information]

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Want to fly the colors on your own grid expedition?
Get your AMSAT car flag and other neat stuff
from our Zazzle store!
25% of the purchase price of each product goes
towards Keeping Amateur Radio in Space
https://www.zazzle.com/amsat_gear

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Satellite Shorts From All Over

+ JAMSAT has posted the April FO-99 Operating Schedule at
https://www.jamsat.or.jp/?p=1806

+ An initial distance record has been claimed via the MO-112 digipeater:
EA4SG in IN80cp worked DG9MA in JN58di, a distance of 1,406 km on
22-Mar-2022 at 21:01 UTC. Who can do better?
https://www.amsat.org/satellite-distance-records/

+ A new modern distance record has been claimed via AO-7 Mode A. VE6WQ in
DO33 worked F4DXV in JN04 on 23-Mar-2022 - a distance of 7,454 km. Note
that AO-7 Mode A supported some very long distance QSOs during it's early
life in the 1970s. If anyone has any information about extreme distance
QSOs on AO-7 Mode A, please contact n8hm at amsat.org.

+ The AMSAT CubeSatSim PCB sets are finally back in stock at the AMSAT
Store. Get yours today at
https://www.amsat.org/product/amsat-cubesatsim-pcb/

+ New v1.2 software release for the AMSAT CubeSatSim project! This release
fixes an issue with the Raspberry Pi Zero 2 W that can cause an auto
shutdown if battery isn’t fully charged. No change for other hardware.
https://github.com/alanbjohnston/CubeSatSim/releases/tag/v1.2

+ Remember to get your tickets for the AMSAT/TAPR Banquet at the Dayton
Hamvention! The 13th annual AMSAT/TAPR Banquet will be held at the Kohler
Presidential Banquet Center on Friday, May 20th at 18:30 EDT. This dinner
is always a highlight of the AMSAT (Radio Amateur Satellite Corp.) and TAPR
(Tucson Amateur Packet Radio) activities during the Dayton Hamvention. This
year’s banquet will honor the life and accomplishments of long time amateur
satellite and amateur packet pioneer Bob Bruninga, WB4APR, who passed away
in February.
https://www.amsat.org/product/amsat-tapr-joint-hamvention-banquet-registration/

+ A MAI-75 SSTV Event is scheduled for April 7th and 8th. Details at
https://issfanclub.eu/2022/04/01/mai-75-sstv-event-7-and-8-april-2022/

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

* Societies (a recognized group, clubs or organization).
* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
* Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor,

Paul Stoetzer, N8HM
n8hm at amsat dot org